

International Automotive Components

1905 Beard Street

Port Huron, Michigan

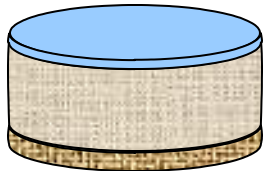
AZDEL PROCESS FLOW DIAGRAM AND PHOTOGRAPHS

Azdel Substrate

- Cover and composite molded together in 1 step
- Design package space (thin)
- Edge fold compatible
- Very moldable
- Good flexural strength/modulus
- Moderate weight



Foam backed Knit Cover Material
Scrim backed



Film Adhesive

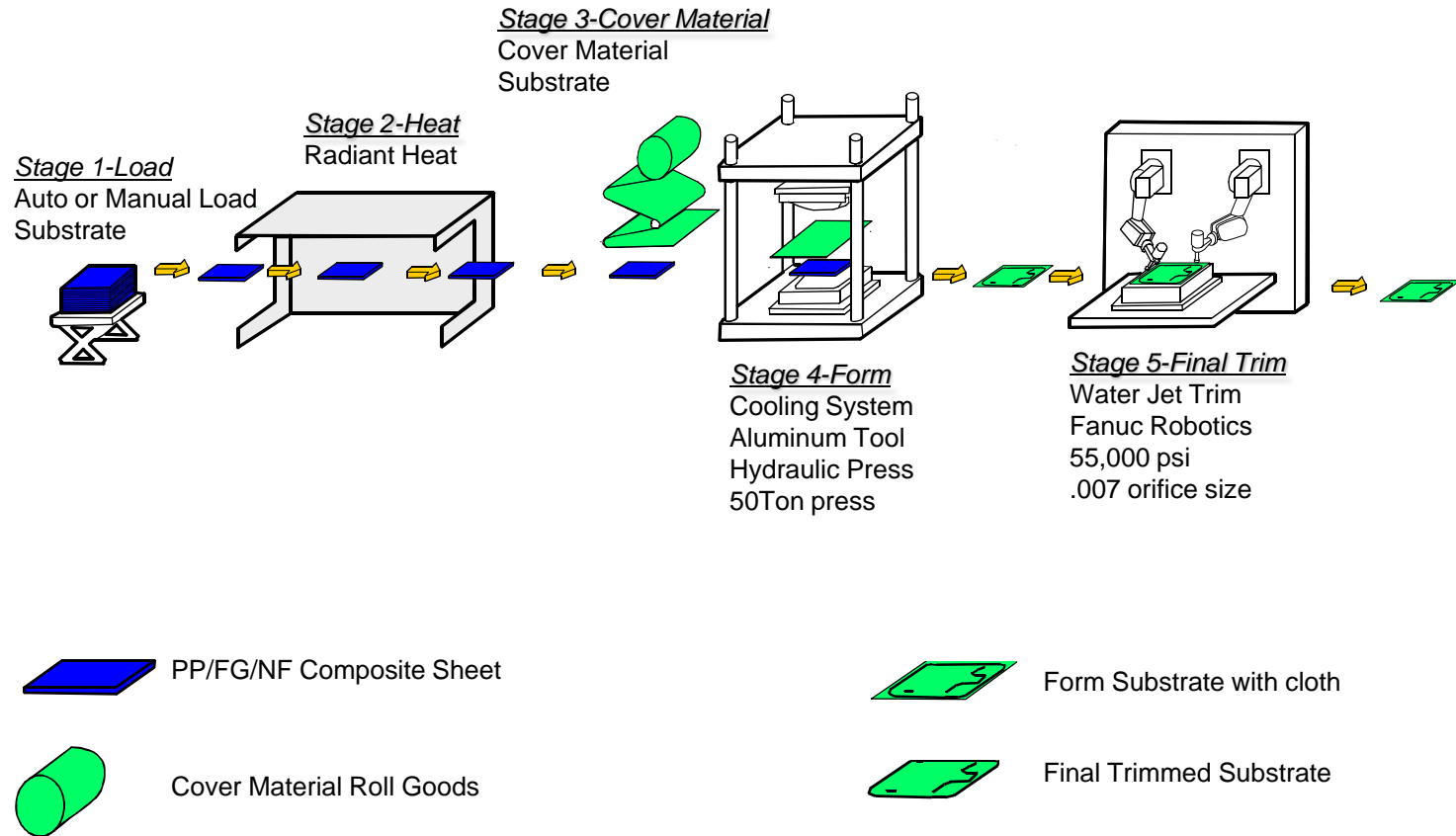
Fiberglass/PP or Natural fiber/PP composite sheet

Scrim

Blank
Substrate

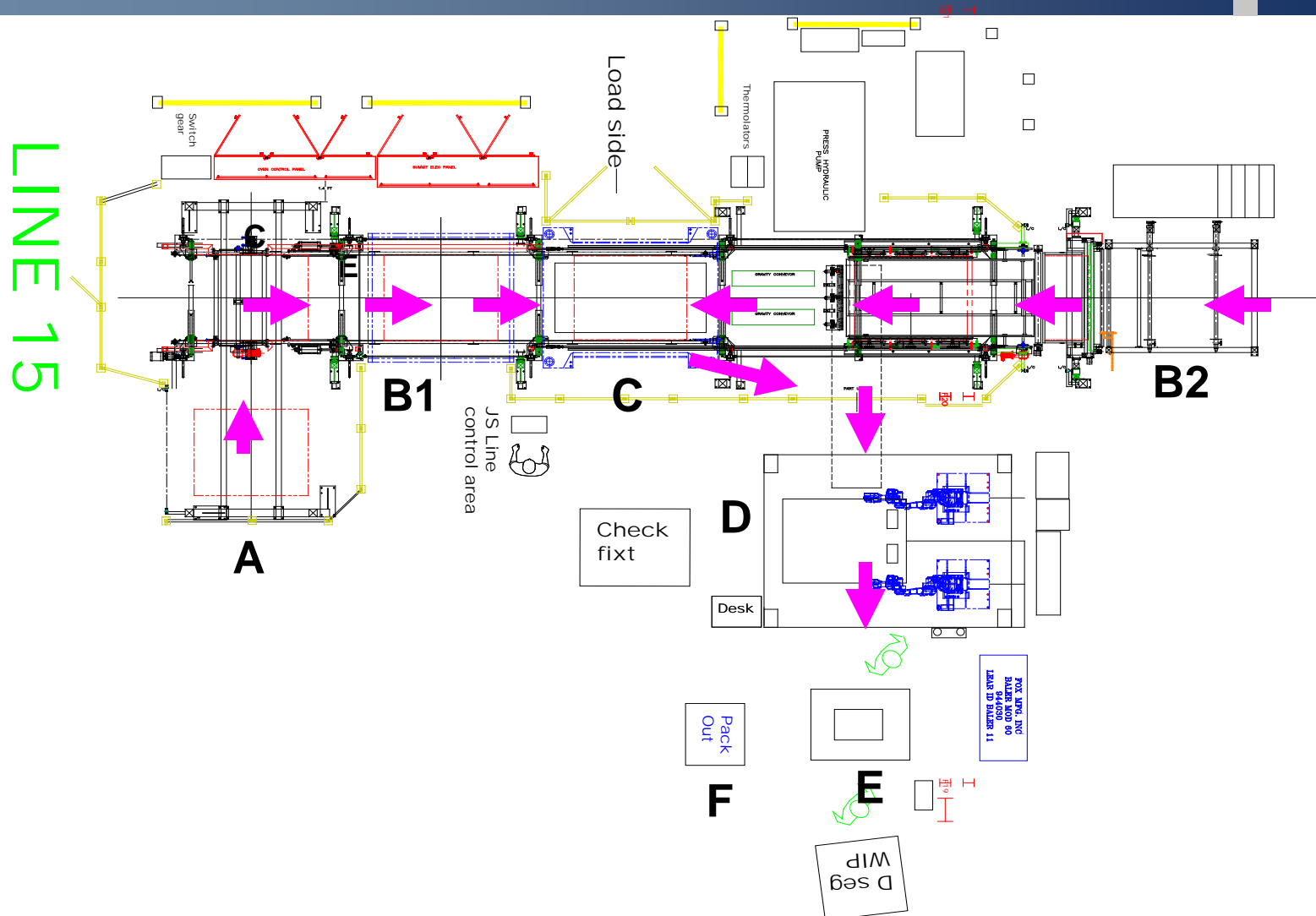
1 Step

Azdel Process Flow



Azdel Process – Line 15

Photo locations identified by letter





Stage 1

A. Stack of azdel. 1 piece at a time is picked up by the auto loader.



(Azdel is placed on lay-up table).



Stage 2

B1. Azdel is fed into the oven.



Stage 3

B2. Roll of cover material that will run along a conveyor and cut by a saw to size.



Stage 3

Example of the saw cutting the cover material



Stage 4

C. Side view of press where azdel and cover material are formed together.



(Molded part is taken via rollers/ conveyor to water jet robot cell).



Stage 5.

D. Water jet robot cell where parts are cut as needed.



E. Slugs (cut outs) are removed from part prior to pack out.



F. Part is packed in a rail for shipment.